

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice. 12/18/19

Test Allowable, New Well and Recompleted Well

30-015-44173

AMEND C-104

☐ C-103 (or BLM equivalent) for all casing strings

☒ Spud Notice

☒ Surface Casing

☒ Intermediate Casing (if applicable)

☒ Additional Intermediate Casing (if applicable)

☒ Production Casing or Liner

☒ Log Exception?

☐ Applicable Order (NSL, NSP, Other _____)

☐ Deviation Survey for Vertical Wells

☐ Directional Survey

☐ C-102 (As-Drilled Plat for Horizontal Well)

} DO YOU
have COPIES
from BLM?

New Well and Recompleted Well Only

☒ C-103 Completion Sundry (or BLM equivalent)

☒ C-105 Completion Report (or BLM equivalent) Look over attached.

☒ All Logs Run on Well

If you have any questions please contact the local OCD District Office

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources
NOV 14 2019

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
DISTRICT IV-ARTESIA O.C.D.

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240		² OGRID Number 228937
		³ Reason for Filing Code/ Effective Date NEW Well
⁴ API Number 30 - 015-44173	⁵ Pool Name Burton Flat-Wolfcamp East (Gas)	⁶ Pool Code 73480
⁷ Property Code 317746	⁸ Property Name Stebbins 19 Fed Com	⁹ Well Number 203H

II. ¹⁰ Surface Location

UL or lot no. I	Section 19	Township 20S	Range 29E	Lot Idn -	Feet from the 2347'	North/South South Line	Feet from the 410'	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. 3	Section 19	Township 20S	Range 29E	Lot Idn -	Feet from the 2286'	North/South line South	Feet from the 93'	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 9/5/2019	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refining & Marketing, 19100 Ridgewood Parkway San Antonio, TX 78259	O
151618	Enterprise Products 2727 N. Loop W., Suite 700, Houston, TX 77008	G

*Missing Sundries

IV. Well Completion Data

²¹ Spud Date 5/16/2019	²² Ready Date 9/3/2019	²³ TD 9,328'-14,020'	²⁴ PBSD 13,911'	²⁵ Perforations 9,333'-13,865'	²⁶ DHC, MC -
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
26"	20"	402'	1200		
17 1/2"	13 3/8"	1,205'	1329		
12 1/4"	9 5/8"	3,092'	1394		
8 3/4"	5 1/2"	14,009'	2890		

V. Well Test Data

³¹ Date New Oil 9/2/2019	³² Gas Delivery Date 9/5/2019	³³ Test Date 9/13/2019	³⁴ Test Length 24	³⁵ Tbg. Pressure n/a	³⁶ Csg. Pressure 1000
³⁷ Choke Size 42/64	³⁸ Oil 2,064	³⁹ Water 3,563	⁴⁰ Gas 4,507	⁴¹ Test Method Flowing	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:
Tammy R. Link

Title:
Production Analyst

E-mail Address:
tlink@matadorresources.com

Date:
11/1/2019

Phone:
575-623-6601

OIL CONSERVATION DIVISION

Approved by

DENIED

Title:

See Attached Cover Sheet

Approval E

RECEIVED

NOV 14 2019

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

DISTRICT 7 - ARTESIA O.C.D.

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMNM03677	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator MATADOR PRODUCTION COMPANY		7. Unit or CA Agreement Name and No.	
Contact: TAMMY R LINK E-Mail: tlink@matadorresources.com		8. Lease Name and Well No. STEBBINS 19 FED COM 203H	
3. Address 5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75240		9. API Well No. 30-015-44173	
3a. Phone No. (include area code) Ph: 575-627-2465		10. Field and Pool, or Exploratory BURTON FLAT-WOLFCAMP EAST	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 19 T20S R29E Mer NMP At surface NESE 2347FSL 410FEL At top prod interval reported below Sec 19 T20S R29E Mer NMP At total depth NENW 2286FSL 93FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 19 T20S R29E Mer NMP	
14. Date Spudded 05/16/2019		15. Date T.D. Reached 06/02/2019	
16. Date Completed ☐ D & A ☒ Ready to Prod. 09/10/2019		17. Elevations (DF, KB, RT, GL)* 3248 GL	
18. Total Depth: MD TVD 14020 9328		19. Plug Back T.D.: MD TVD 13911	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) LOGS TO WIS	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	20.000 J-55	94.0	0	402		1200		0	360
17.500	13.375 J-55	54.5	0	1205		1329		0	574
12.250	9.625 J-55	40.0	0	3092		1394		0	584
8.750	5.500 P-110	20.0	0	14009		2890		0	164

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875								

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP A-XY	9333	13865	9333 TO 13865	0.300	41	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9333 TO 13865	100 MESH - TOTAL 976.6 LBS, 40/70 MESH SAND - TOTAL 10,342,610 LBS, 15% ACID - TOTAL 153,000

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/01/2019	09/13/2019	24	→	2064.0	4507.0	3563.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
42/64	SI	2125.0	→	2064	4507	3563		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #491493 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
CAPITAN	1382	3232	WATER	TOP SALT	30
DELAWARE	3231	5784	OIL & GAS	BASE SALT	1068
FIRST BONE SPRING	7031	7193	OIL & GAS	CAPITAN	1382
SECOND BONE SRPING	7631	7987	OIL & GAS	DELAWARE	3231
THIRD BONE SPRING	8781	9327	OIL & GAS	BONE SPRING	5784
				WOLFCAMP	9327

32. Additional remarks (include plugging procedure):

See Attached C-102 (As Drilled Plat)

Logs

Directional Survey

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)

2. Geologic Report

3. DST Report

4. Directional Survey

5. Sundry Notice for plugging and cement verification

6. Core Analysis

7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #491493 Verified by the BLM Well Information System.
For MATADOR PRODUCTION COMPANY, sent to the Carlsbad

Name (please print) TAMMY R LINK

Title PRODUCTION ANALYST

Signature (Electronic Submission)

Date 11/07/2019

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44173	² Pool Code 73480	³ Pool Name Burton Flat-Wolfcamp East (Gas)
⁴ Property Code 317746	⁵ Property Name STEBBINS 19 FED COM	
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	
		⁶ Well Number 203H
		⁹ Elevation 3248'

¹⁰Surface Location

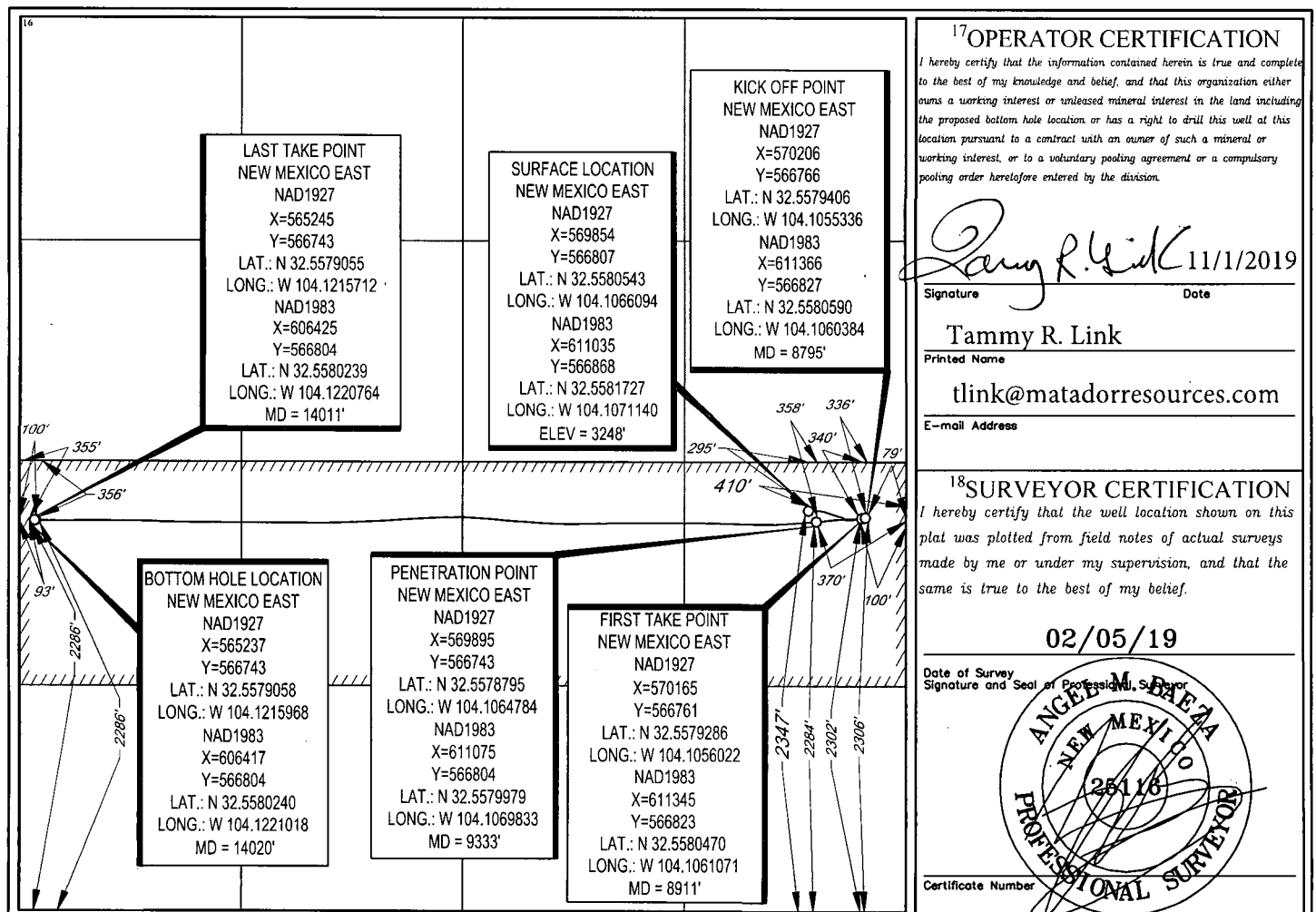
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	19	20-S	29-E	-	2347'	SOUTH	410'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	19	20-S	29-E	-	2286'	SOUTH	93'	WEST	EDDY

¹² Dedicated Acres 155.29	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Tammy R. Link 11/1/2019
Signature Date

Tammy R. Link
Printed Name

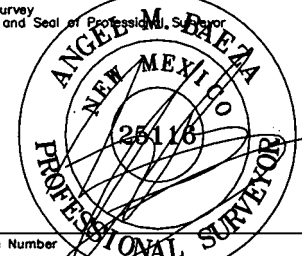
tlink@matadorresources.com
E-mail Address

¹⁸SURVEYOR CERTIFICATION

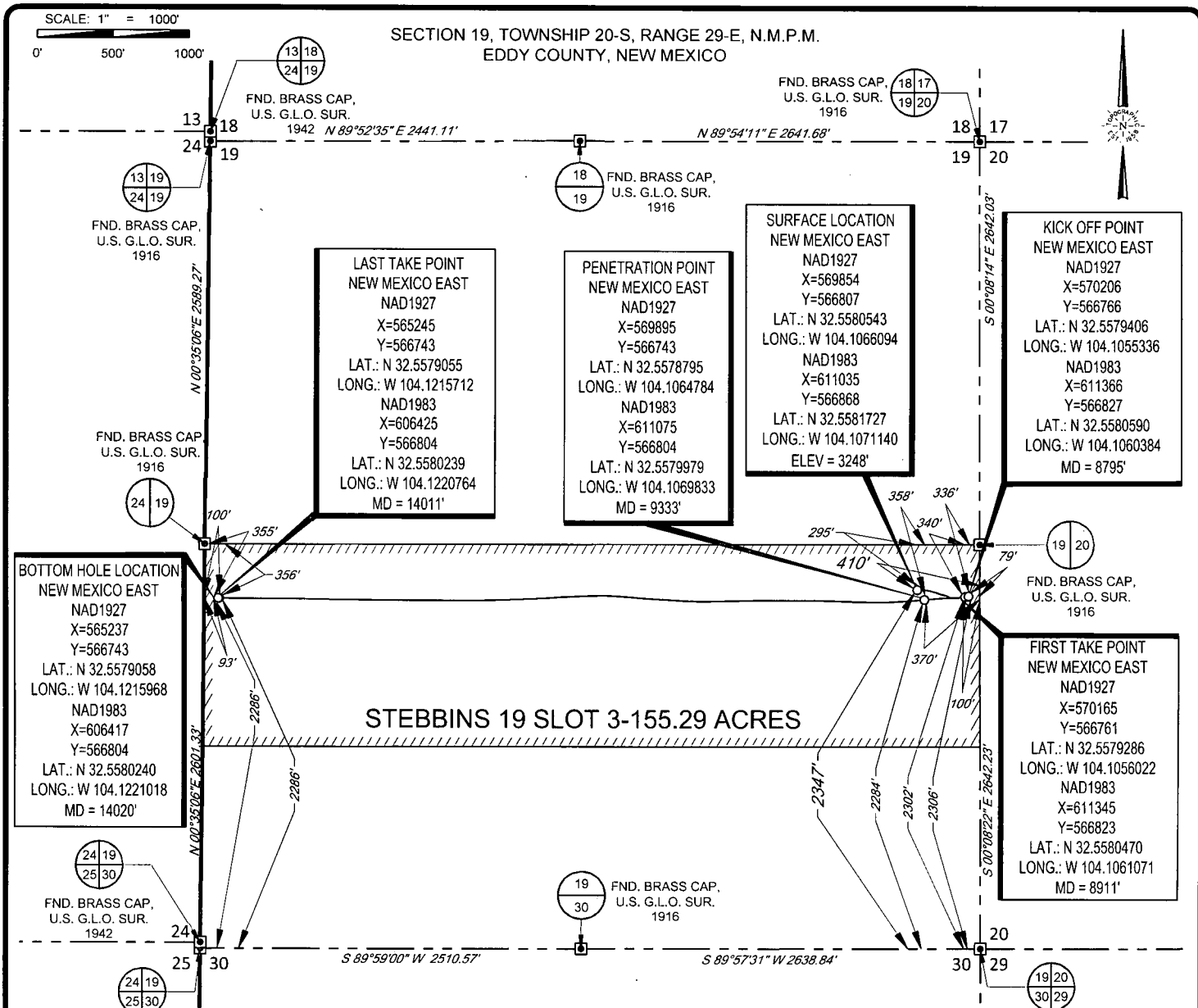
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

02/05/19

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

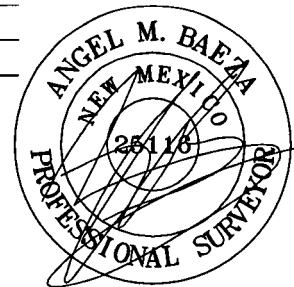


LEASE NAME & WELL NO.: STEBBINS 19 FED COM 203H
SECTION 19 TWP 20-S RGE 29-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 3248'
DESCRIPTION 2347' FSL & 410' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Angel M. Baeza, P.S. No. 25116
NOVEMBER 06, 2019

STEBBINS 19 FED COM
203H
AS-DRILLED

REVISION:

DATE: 11/06/19

FILE: AD_STEBBINS_19_FED_COM_203H

DRAWN BY: JLS

SHEET: 1 OF 1

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
4. ADJOINER INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.

RECEIVED

Intent

☐

As Drilled

☒

NOV 14 2019

API #

30-015-44173

DISTRICT 7 - ARTESIA O.C.D.

Operator Name:

Matador Production

Property Name:

Stebbins 19 Fed Com

Well Number

203H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	19	20S	29E		2347'	S	410'	E	Eddy
Latitude					Longitude				NAD
32.5580590					- 104.1060384				83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	19	20S	29E		2306'	S	340'	E	Eddy
Latitude					Longitude				NAD
32.5580470					- 104.1061071				83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	19	20S	29E		2286'	S	93'	W	Eddy
Latitude					Longitude				NAD
32.5580239					- 104.1220764				83

Is this well the defining well for the Horizontal Spacing Unit?

☒

Is this well an infill well?

☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018



Stebbins 19 Fed Com No. 203H

Eddy County, NM

June 27, 2019

Job No. LNM5210519

ORIGINAL

Certified Report



PRODIRECTIONAL

Survey Certification Letter

June 27, 2019



Operator Name: Matador Resources
Well Name: Stebbins 19 Fed Com No. 203H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5210519

This is to certify the surveys performed on the referenced well by Professional Directional Ent., Inc. are true and correct MWD Surveys, data provided as follows:

Surveyor	Surveyed Depths	Projection to Bit	Dates Performed	Type of Survey
ProDirectional	500' MD – 13,892' MD	14,020' MD	05/23/19 – 06/02/19	MWD

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

850 Conroe Park West Drive | Conroe, TX 77303 | Phone: 936.441.7266

prodirectional.com

The Standard of Excellence in Directional Supervision



Matador Resources

**Eddy County, NM
Stebbins 19 Fed Com
No. 203H
OH**

Survey: ProDirectional

Survey Report

27 June, 2019





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-91'-13892' PTB: 14020'	Database:	WellPlanner1

Project: Eddy County, NM (NAD 83)			
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Stebbins 19 Fed Com				
Site Position:		Northing:	564,731.00	usft	Latitude:	32.552297
From:	Map	Easting:	611,310.00	usft	Longitude:	-104.106235
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16	"	Grid Convergence:	0.12 °

Well		No. 203H				
Well Position	+N-S	0.00 usft	Northing:	566,868.00 usft	Latitude:	32.558173
	+E-W	0.00 usft	Easting:	611,035.00 usft	Longitude:	-104.107113
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,248.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	5/30/2019	7.22	60.32	47,978.70

Design		Gyro-MWD-91'-13892', PTB: 14020'			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	269.95	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19 Fed Com
Well: No. 203H
Wellbore: OH
Design: Gyro-MWD-91'-13892', PTB: 14020'

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well No: 203H
Well @ 3276.50usft
Well @ 3276.50usft
Grid
Minimum Curvature
WellPlanner1

Survey Program		Date: 6/27/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
91.00	364.00	Survey #1 (OH)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous Gyro
500.00	14,020.00	Survey #2 (OH)	MWD+HDGM	OWSG MWD + HRGM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	566,868.00	611,035.00	
91.00	0.25	268.79	91.00	0.20	0.00	-0.20	0.20	268.79	566,868.00	611,034.80	
182.00	0.30	262.20	182.00	0.63	-0.04	-0.63	0.63	266.32	566,867.96	611,034.37	
273.00	0.36	240.48	273.00	1.12	-0.21	-1.12	1.14	259.17	566,867.79	611,033.88	
364.00	0.38	236.45	364.00	1.62	-0.52	-1.62	1.70	252.13	566,867.48	611,033.38	
500.00	0.20	238.00	499.99	2.20	-0.90	-2.20	2.37	247.78	566,867.10	611,032.80	
Pro MWD First Survey: 500' MD											
592.00	0.40	301.30	591.99	2.61	-0.81	-2.61	2.73	252.64	566,867.19	611,032.39	
684.00	0.50	350.20	683.99	2.95	-0.25	-2.95	2.96	265.11	566,867.75	611,032.05	
776.00	0.70	35.90	775.99	2.69	0.60	-2.69	2.75	282.55	566,868.60	611,032.31	
867.00	0.60	68.30	866.98	1.92	1.22	-1.92	2.28	302.55	566,869.22	611,033.08	
960.00	0.90	52.30	959.97	0.89	1.85	-0.89	2.05	334.37	566,869.85	611,034.11	
1,054.00	0.20	358.20	1,053.97	0.31	2.47	-0.31	2.49	352.85	566,870.47	611,034.69	
1,122.00	0.30	58.30	1,121.97	0.16	2.68	-0.16	2.68	356.55	566,870.68	611,034.84	
1,241.00	0.70	59.60	1,240.96	-0.73	3.21	0.73	3.29	12.82	566,871.21	611,035.73	
1,334.00	1.60	73.70	1,333.94	-2.47	3.86	2.47	4.58	32.56	566,871.86	611,037.47	
1,427.00	5.40	91.20	1,426.75	-8.09	4.14	8.09	9.09	62.92	566,872.14	611,043.09	
1,520.00	7.90	92.50	1,519.12	-18.86	3.76	18.85	19.22	78.71	566,871.76	611,053.85	
1,614.00	8.40	92.70	1,612.17	-32.17	3.16	32.16	32.32	84.39	566,871.16	611,067.16	
1,707.00	8.80	95.90	1,704.13	-46.03	2.11	46.03	46.07	87.38	566,870.11	611,081.03	
1,801.00	9.10	99.90	1,796.98	-60.50	0.09	60.50	60.50	89.91	566,868.09	611,095.50	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-91'-13892', PTB: 14020'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
1,894.00	9.20	102.40	1,888.80	-75.00	-2.77	75.01	75.06	92.11	566,865.23	611,110.01	
1,988.00	9.80	104.80	1,981.51	-90.07	-6.43	90.08	90.31	94.08	566,861.57	611,125.08	
2,081.00	10.40	106.80	2,073.07	-105.76	-10.87	105.77	106.33	95.87	566,857.13	611,140.77	
2,174.00	11.10	108.20	2,164.44	-122.30	-16.10	122.31	123.36	97.50	566,851.90	611,157.31	
2,268.00	9.90	110.30	2,256.86	-138.47	-21.73	138.48	140.18	98.92	566,846.27	611,173.48	
2,361.00	9.00	108.10	2,348.60	-152.87	-26.76	152.90	155.22	99.93	566,841.24	611,187.90	
2,455.00	7.60	103.90	2,441.61	-165.89	-30.54	165.92	168.71	100.43	566,837.46	611,200.92	
2,549.00	6.60	98.30	2,534.89	-177.27	-32.81	177.30	180.31	100.48	566,835.19	611,212.30	
2,642.00	5.10	105.30	2,627.41	-186.55	-34.67	186.58	189.77	100.53	566,833.33	611,221.58	
2,736.00	3.30	125.60	2,721.15	-192.77	-37.35	192.81	196.39	100.96	566,830.65	611,227.81	
2,829.00	3.10	118.10	2,814.01	-197.17	-40.09	197.20	201.24	101.49	566,827.91	611,232.20	
2,923.00	2.70	113.20	2,907.89	-201.44	-42.16	201.48	205.84	101.82	566,825.84	611,236.48	
3,016.00	2.20	123.00	3,000.80	-204.95	-44.00	204.99	209.66	102.11	566,824.00	611,239.99	
3,115.00	2.00	133.00	3,099.74	-207.81	-46.21	207.85	212.92	102.54	566,821.79	611,242.85	
3,208.00	1.90	139.50	3,192.68	-209.99	-48.49	210.03	215.56	103.00	566,819.51	611,245.03	
3,301.00	1.60	142.40	3,285.64	-211.78	-50.69	211.83	217.81	103.46	566,817.31	611,246.83	
3,395.00	2.80	99.50	3,379.58	-214.85	-52.11	214.89	221.12	103.63	566,815.89	611,249.89	
3,488.00	3.40	91.00	3,472.44	-219.85	-52.53	219.89	226.08	103.44	566,815.47	611,254.89	
3,582.00	3.10	92.30	3,566.29	-225.17	-52.68	225.22	231.30	103.17	566,815.32	611,260.22	
3,675.00	3.10	91.20	3,659.15	-230.20	-52.84	230.25	236.23	102.92	566,815.16	611,265.25	
3,768.00	3.30	90.20	3,752.01	-235.39	-52.90	235.44	241.31	102.66	566,815.10	611,270.44	
3,861.00	3.50	89.40	3,844.84	-240.90	-52.88	240.95	246.69	102.38	566,815.12	611,275.95	
3,955.00	3.40	87.90	3,938.67	-246.56	-52.75	246.61	252.18	102.07	566,815.25	611,281.61	
4,048.00	3.50	87.20	4,031.50	-252.15	-52.51	252.20	257.61	101.76	566,815.49	611,287.20	
4,142.00	3.60	84.50	4,125.32	-257.95	-52.08	258.00	263.21	101.41	566,815.92	611,293.00	
4,235.00	3.80	82.20	4,218.13	-263.92	-51.39	263.96	268.92	101.02	566,816.61	611,298.96	
4,329.00	3.70	81.40	4,311.93	-270.00	-50.51	270.05	274.73	100.59	566,817.49	611,305.05	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-91'-13892', PTB: 14020'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
4,422.00	3.80	80.10	4,404.73	-276.00	-49.53	276.05	280.46	100.17	566,818.47	611,311.05	
4,516.00	3.70	78.60	4,498.53	-282.05	-48.40	282.09	286.21	99.74	566,819.60	611,317.09	
4,609.00	3.90	76.80	4,591.32	-288.07	-47.08	288.11	291.93	99.28	566,820.92	611,323.11	
4,703.00	3.90	75.70	4,685.11	-294.28	-45.56	294.32	297.83	98.80	566,822.44	611,329.32	
4,796.00	3.80	74.70	4,777.90	-300.32	-43.97	300.36	303.56	98.33	566,824.03	611,335.36	
4,890.00	3.90	73.20	4,871.68	-306.39	-42.22	306.42	309.32	97.85	566,825.78	611,341.42	
4,983.00	4.00	71.20	4,964.46	-312.49	-40.26	312.52	315.10	97.34	566,827.74	611,347.52	
5,077.00	3.00	92.60	5,058.29	-318.05	-39.32	318.08	320.50	97.05	566,828.68	611,353.08	
5,170.00	2.70	102.20	5,151.18	-322.62	-39.89	322.65	325.11	97.05	566,828.11	611,357.65	
5,263.00	2.50	99.60	5,244.08	-326.76	-40.69	326.79	329.32	97.10	566,827.31	611,361.79	
5,357.00	2.20	100.80	5,338.00	-330.55	-41.37	330.59	333.17	97.13	566,826.63	611,365.59	
5,450.00	1.90	99.30	5,430.94	-333.83	-41.96	333.86	336.49	97.16	566,826.04	611,368.86	
5,543.00	1.60	93.90	5,523.90	-336.64	-42.29	336.68	339.33	97.16	566,825.71	611,371.68	
5,637.00	1.50	88.30	5,617.86	-339.18	-42.35	339.22	341.85	97.12	566,825.65	611,374.22	
5,730.00	1.40	83.50	5,710.83	-341.53	-42.18	341.56	344.16	97.04	566,825.82	611,376.56	
5,823.00	1.30	64.40	5,803.81	-343.61	-41.60	343.64	346.15	96.90	566,826.40	611,378.64	
5,916.00	1.30	48.30	5,896.79	-345.35	-40.44	345.38	347.74	96.68	566,827.56	611,380.38	
6,010.00	1.50	36.60	5,990.76	-346.88	-38.74	346.91	349.07	96.37	566,829.26	611,381.91	
6,104.00	1.30	18.30	6,084.73	-347.95	-36.74	347.98	349.92	96.03	566,831.26	611,382.98	
6,196.00	1.30	16.00	6,176.71	-348.57	-34.75	348.60	350.32	95.69	566,833.25	611,383.60	
6,289.00	1.30	22.60	6,269.68	-349.26	-32.76	349.29	350.83	95.36	566,835.24	611,384.29	
6,383.00	1.40	22.30	6,363.66	-350.11	-30.71	350.14	351.48	95.01	566,837.29	611,385.14	
6,477.00	1.50	357.00	6,457.63	-350.49	-28.42	350.51	351.66	94.64	566,839.58	611,385.51	
6,570.00	1.50	351.90	6,550.59	-350.25	-26.00	350.28	351.24	94.25	566,842.00	611,385.28	
6,664.00	1.50	354.40	6,644.56	-349.96	-23.56	349.98	350.77	93.85	566,844.44	611,384.98	
6,757.00	1.40	354.40	6,737.53	-349.73	-21.22	349.75	350.40	93.47	566,846.78	611,384.75	
6,850.00	1.40	358.40	6,830.51	-349.59	-18.95	349.61	350.12	93.10	566,849.05	611,384.61	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Stebbins 19 Fed Com
Well: No. 203H
Wellbore: OH
Design: Gyro-MWD-91'-13892', PTB: 14020'

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:
Well No. 203H
Well @ 3276.50usft
Well @ 3276.50usft
Grid
Minimum Curvature
WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
6,943.00	1.00	345.10	6,923.48	-349.35	-17.03	349.37	349.78	92.79	566,850.97	611,384.37	
7,037.00	1.50	183.10	7,017.48	-349.08	-17.47	349.09	349.53	92.86	566,850.53	611,384.09	
7,130.00	1.90	180.10	7,110.43	-349.01	-20.22	349.02	349.61	93.32	566,847.78	611,384.02	
7,223.00	1.70	189.40	7,203.39	-348.77	-23.13	348.80	349.56	93.79	566,844.87	611,383.80	
7,316.00	1.70	199.20	7,296.35	-348.09	-25.79	348.12	349.07	94.24	566,842.21	611,383.12	
7,409.00	1.30	203.10	7,389.32	-347.22	-28.06	347.25	348.38	94.62	566,839.94	611,382.25	
7,503.00	1.00	206.30	7,483.30	-346.44	-29.78	346.47	347.74	94.91	566,838.22	611,381.47	
7,596.00	0.50	208.40	7,576.29	-345.89	-30.86	345.91	347.29	95.10	566,837.14	611,380.91	
7,690.00	0.80	212.80	7,670.28	-345.34	-31.78	345.36	346.82	95.26	566,836.22	611,380.36	
7,783.00	0.60	194.00	7,763.28	-344.87	-32.79	344.89	346.45	95.43	566,835.21	611,379.89	
7,877.00	0.80	157.60	7,857.27	-345.00	-33.88	345.03	346.68	95.61	566,834.12	611,380.03	
7,970.00	0.70	157.10	7,950.26	-345.46	-35.00	345.49	347.26	95.78	566,833.00	611,380.49	
8,063.00	0.10	32.50	8,043.26	-345.73	-35.46	345.76	347.57	95.86	566,832.54	611,380.76	
8,157.00	0.60	284.60	8,137.26	-345.30	-35.26	345.33	347.12	95.83	566,832.74	611,380.33	
8,250.00	1.00	270.90	8,230.25	-344.01	-35.13	344.04	345.83	95.83	566,832.87	611,379.04	
8,344.00	0.60	230.20	8,324.24	-342.81	-35.43	342.85	344.67	95.90	566,832.57	611,377.85	
8,437.00	1.40	238.10	8,417.22	-341.47	-36.34	341.51	343.43	96.07	566,831.66	611,376.51	
8,531.00	1.30	243.80	8,511.20	-339.54	-37.42	339.57	341.63	96.29	566,830.58	611,374.57	
8,624.00	1.50	247.60	8,604.17	-337.47	-38.35	337.50	339.67	96.48	566,829.65	611,372.50	
8,717.00	1.00	237.90	8,697.15	-335.66	-39.24	335.69	337.98	96.67	566,828.76	611,370.69	
8,756.00	0.80	236.70	8,736.14	-335.14	-39.57	335.17	337.50	96.73	566,828.43	611,370.17	
8,849.00	10.60	254.50	8,828.57	-326.33	-42.22	326.37	329.09	97.37	566,825.78	611,361.37	
8,943.00	24.60	264.70	8,917.97	-298.37	-46.36	298.41	301.99	98.83	566,821.64	611,333.41	
9,036.00	34.30	269.40	8,998.87	-252.78	-48.43	252.82	257.41	100.84	566,819.57	611,287.82	
9,129.00	40.30	267.50	9,072.81	-196.47	-50.02	196.51	202.78	104.28	566,817.98	611,231.51	
9,223.00	49.10	264.10	9,139.57	-130.62	-55.01	130.67	141.77	112.83	566,812.99	611,165.67	
9,316.00	58.80	264.80	9,194.24	-55.86	-62.24	55.92	83.67	138.06	566,805.76	611,090.92	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-91'-13892', PTB: 14020'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
9,409.00	65.10	265.70	9,237.95	25.90	-69.02	-25.84	73.69	200.52	566,798.98	611,009.16	
9,503.00	70.10	265.60	9,273.76	112.53	-75.61	-112.46	135.52	236.09	566,792.39	610,922.54	
9,597.00	78.50	268.80	9,299.18	202.83	-79.97	-202.76	217.96	248.48	566,788.03	610,832.24	
9,690.00	90.40	270.40	9,308.16	295.22	-80.60	-295.15	305.96	254.73	566,787.40	610,739.85	
9,784.00	89.80	271.90	9,307.99	389.20	-78.72	-389.13	397.01	258.56	566,789.28	610,645.87	
9,877.00	85.90	271.50	9,311.48	482.07	-75.96	-482.00	487.95	261.04	566,792.04	610,553.00	
9,970.00	85.80	271.20	9,318.21	574.80	-73.77	-574.73	579.45	262.69	566,794.23	610,460.27	
10,065.00	87.60	270.60	9,323.68	669.62	-72.28	-669.56	673.45	263.84	566,795.72	610,365.44	
10,158.00	88.60	270.20	9,326.76	762.57	-71.64	-762.51	765.86	264.63	566,796.36	610,272.49	
10,252.00	89.70	270.10	9,328.16	856.56	-71.39	-856.49	859.46	265.24	566,796.61	610,178.51	
10,345.00	90.10	269.80	9,328.32	949.56	-71.47	-949.49	952.18	265.70	566,796.53	610,085.51	
10,438.00	90.20	269.90	9,328.08	1,042.55	-71.71	-1,042.49	1,044.96	266.06	566,796.29	609,992.51	
10,532.00	91.80	269.00	9,326.44	1,136.53	-72.62	-1,136.47	1,138.79	266.34	566,795.38	609,898.53	
10,625.00	92.70	268.50	9,322.78	1,229.44	-74.64	-1,229.37	1,231.64	266.53	566,793.36	609,805.63	
10,719.00	94.00	268.50	9,317.29	1,323.25	-77.10	-1,323.18	1,325.42	266.67	566,790.90	609,711.82	
10,812.00	93.90	270.50	9,310.88	1,416.02	-77.91	-1,415.95	1,418.09	266.85	566,790.09	609,619.05	
10,905.00	94.70	271.50	9,303.91	1,508.74	-76.29	-1,508.67	1,510.60	267.11	566,791.71	609,526.33	
10,998.00	93.70	273.40	9,297.10	1,601.40	-72.33	-1,601.33	1,602.97	267.41	566,795.67	609,433.67	
11,092.00	92.10	274.60	9,292.34	1,695.04	-65.78	-1,694.98	1,696.25	267.78	566,802.22	609,340.02	
11,185.00	89.10	274.20	9,291.37	1,787.74	-58.64	-1,787.69	1,788.65	268.12	566,809.36	609,247.31	
11,279.00	89.70	274.50	9,292.35	1,881.46	-51.51	-1,881.41	1,882.12	268.43	566,816.49	609,153.59	
11,371.00	91.50	275.20	9,291.39	1,973.11	-43.74	-1,973.07	1,973.56	268.73	566,824.26	609,061.93	
11,465.00	88.40	270.80	9,291.47	2,066.94	-38.82	-2,066.91	2,067.28	268.92	566,829.18	608,968.09	
11,558.00	88.20	267.80	9,294.23	2,159.89	-39.95	-2,159.85	2,160.22	268.94	566,828.05	608,875.15	
11,652.00	88.90	266.90	9,296.61	2,253.76	-44.30	-2,253.72	2,254.16	268.87	566,823.70	608,781.28	
11,746.00	90.50	266.70	9,297.10	2,347.61	-49.55	-2,347.57	2,348.09	268.79	566,818.45	608,687.43	
11,839.00	90.70	266.50	9,296.13	2,440.45	-55.06	-2,440.40	2,441.02	268.71	566,812.94	608,594.60	



ProDirectional
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-91'-13892', PTB: 14020'	Database:	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
11,932.00	92.50	266.90	9,293.53	2,533.26	-60.41	-2,533.21	2,533.93	268.63	566,807.59	608,501.79	
12,025.00	93.50	267.70	9,288.67	2,626.03	-64.79	-2,625.97	2,626.77	268.59	566,803.21	608,409.03	
12,119.00	94.10	267.50	9,282.44	2,719.74	-68.71	-2,719.68	2,720.55	268.55	566,799.29	608,315.32	
12,212.00	93.70	269.00	9,276.11	2,812.48	-71.55	-2,812.42	2,813.33	268.54	566,796.45	608,222.58	
12,305.00	93.20	269.00	9,270.51	2,905.30	-73.17	-2,905.24	2,906.16	268.56	566,794.83	608,129.76	
12,398.00	92.60	270.10	9,265.81	2,998.18	-73.90	-2,998.12	2,999.03	268.59	566,794.10	608,036.88	
12,491.00	91.60	270.30	9,262.40	3,091.11	-73.57	-3,091.05	3,091.93	268.64	566,794.43	607,943.95	
12,584.00	92.60	269.70	9,258.99	3,184.05	-73.57	-3,183.99	3,184.84	268.68	566,794.43	607,851.01	
12,678.00	91.80	270.40	9,255.38	3,277.98	-73.49	-3,277.92	3,278.74	268.72	566,794.51	607,757.08	
12,771.00	91.40	270.10	9,252.79	3,370.94	-73.08	-3,370.88	3,371.67	268.76	566,794.92	607,664.12	
12,865.00	91.30	270.00	9,250.57	3,464.92	-73.00	-3,464.85	3,465.62	268.79	566,795.00	607,570.15	
12,958.00	89.30	270.70	9,250.09	3,557.91	-72.43	-3,557.84	3,558.58	268.83	566,795.57	607,477.16	
13,052.00	89.80	270.90	9,250.82	3,651.89	-71.12	-3,651.83	3,652.52	268.88	566,796.88	607,383.17	
13,145.00	90.30	270.90	9,250.74	3,744.88	-69.66	-3,744.82	3,745.47	268.93	566,798.34	607,290.18	
13,239.00	90.50	270.90	9,250.09	3,838.86	-68.19	-3,838.81	3,839.41	268.98	566,799.81	607,196.19	
13,332.00	90.70	270.90	9,249.11	3,931.85	-66.72	-3,931.79	3,932.36	269.03	566,801.28	607,103.21	
13,425.00	92.30	270.40	9,246.68	4,024.80	-65.67	-4,024.75	4,025.28	269.07	566,802.33	607,010.25	
13,519.00	92.90	270.10	9,242.41	4,118.71	-65.26	-4,118.65	4,119.17	269.09	566,802.74	606,916.35	
13,612.00	93.90	270.20	9,236.90	4,211.54	-65.02	-4,211.49	4,211.99	269.12	566,802.98	606,823.51	
13,706.00	94.60	270.20	9,229.93	4,305.28	-64.69	-4,305.23	4,305.71	269.14	566,803.31	606,729.77	
13,799.00	95.60	270.20	9,221.67	4,397.91	-64.37	-4,397.86	4,398.33	269.16	566,803.63	606,637.14	
13,892.00	96.30	270.20	9,212.03	4,490.41	-64.04	-4,490.35	4,490.81	269.18	566,803.96	606,544.65	
Last Survey: 13892' MD											
14,020.00	96.30	270.20	9,197.98	4,617.63	-63.60	-4,617.58	4,618.02	269.21	566,804.40	606,417.42	
PTB: 14020' MD											



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 203H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3276.50usft
Site:	Stebbins 19 Fed Com	MD Reference:	Well @ 3276.50usft
Well:	No. 203H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro-MWD-91'-13892', PTB: 14020'	Database:	WellPlanner1

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
500.00	499.99	-0.90	-2.20	Pro MWD First Survey: 500' MD
13,892.00	9,212.03	-64.04	-4,490.35	Last Survey: 13892' MD
14,020.00	9,197.98	-63.60	-4,617.58	PTB: 14020' MD